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a combining device which is connected to the model path and the transmit path, the combining device configured to subtract the correction function from the non-oversampled data symbol on the transmit path, the method comprising:

oversampling the data symbol two-fold and providing the oversampled data symbol to the model filter when the data symbol is part of an ADSL data transmission; and

providing data symbol in non-oversampled format to the model filter when the data symbol is part of an ADSL+ data transmission.

Replace Claim 24 with:

A method for reducing the crest factor of a data symbol using a circuit in a multi-carrier data transmission system, the data symbol being a function of a plurality of signals provided within a predetermined time interval, each of the plurality of signals allocated to a carrier, each carrier occupying in each case at least one frequency from a transmit data spectrum, at least one carrier being reserved which is not provided for the data transmission, the circuit comprising:

a transmit path configured to receive the data symbol;

a model path arranged in parallel with a section of the transmit path the model path comprising:

a model filter configured to receive the data symbol;

an oversampling device operably coupled to an input of the model filter, and a bypass device configured to selectively bypass the oversampling device;



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A method for reducing the crest factor of a data symbol to be transmitted using a circuit in a multi-carrier data transmission system, the data symbol being a function of a plurality of signals provided within a predetermined time interval, each of the plurality of signals allocated to a carrier, each carrier occupying at least one frequency from a transmit data spectrum, at least one carrier being reserved which is not provided for the data transmission, the circuit comprising:

a transmit path configured to receive the data symbol;

a model path arranged in parallel with a section of the transmit path the model path comprising:

a model filter configured to receive the data symbol;

an oversampling device operably coupled to an input of the model filter, and a bypass device configured to selectively bypass the oversampling device;

an analysis and evaluation circuit arranged following the model filter and configured to determine whether the time domain function of the non-oversampled data symbol, filtered by the model filter and exhibits within a predetermined time interval at least one maximum which exceeds a first threshold, and further configured to determine an associated position of the maximum within the time interval, and, by scaling and displacing a dirac-like sample function, to generate a correction function in dependence on the associated position and an amplitude of the maximum;

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DETAILED ACTION

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1. Claims 13, 15-25 are pending in the application.

2. Claims 1-12 & 14 have been canceled.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David R. Moorman on 11/11/2009.

The Claims have been amended as follows:

• Replace Claim 13 with:

A circuit for reducing the crest factor of a data symbol to be transmitted in a multi-carrier data transmission system, the data symbol being a function of a plurality of signals provided within a predetermined time interval, each of the plurality of signals allocated to a carrier, each carrier occupying at least one frequency from a transmit data spectrum, at least one carrier being reserved which is not provided for data transmission, the circuit comprising:

a transmit path configured to receive the data symbol;

a model path arranged in parallel with a section of the transmit path the model path comprising:

12/8/18